

Converting Colors

XYZ(19.5978, 20.1443, 20.3194)

Have a look what the booklet for
XYZ(19.5978, 20.1443, 20.3194)
contains.

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Color

**XYZ(19.6187, 20.2437,
20.3262)**

Conversions

Conversions Part 1

Format	Color
Hex	827B77
RGB	130, 123, 119
RGB Percent	51%, 48%, 47%
CMY	0.4902, 0.5176, 0.5333
CMYK	0.00, 0.05, 0.08, 0.49
HSL	22°, 4%, 49%
HSV	22°, 8%, 51%
XYZ	19.6187, 20.2437, 20.3262
YIQ	124.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

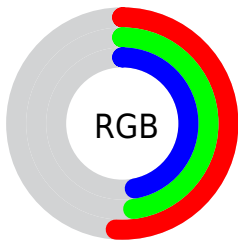
Format	Color
R_{YB}	130, 125, 119
Decimal	8551287
CIE Lab	52.11, 1.91, 3.13
CIE LCh	52, 3.666, 58.626
Yxy	20.2437, 0.3260, 0.3363
Android (android.graphics.Color)	4286741367 (0xFF827B77)
YUV	124.6370, -2.7790, 4.7034
Hunter-Lab	44.9930, -0.9048, 4.7100

Details

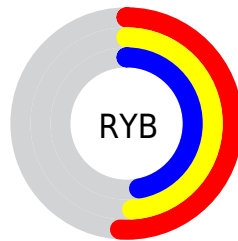
The XYZ color **19.6187, 20.2437, 20.3262** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0979, 20.4550, 24.0610**, and the grayscale version is **19.3793, 20.3885, 22.2031**.

A 20% lighter version of the original color is **42.2091, 43.6675, 44.7321**, and **6.9794, 7.1018, 6.9642** is the 20% darker color. If you saturate the color by 10%, you get **17.9080, 17.9873, 16.1640**, and if you desaturate by 10%, it is **21.5240, 22.7180, 25.0808**.

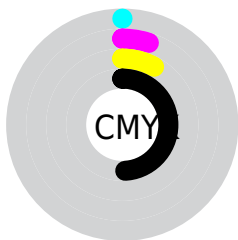
Distribution



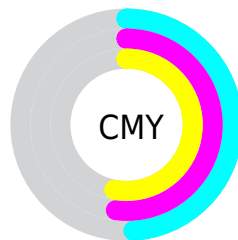
- Red (51%)
- Green (48%)
- Blue (47%)



- Red (51%)
- Yellow (49%)
- Blue (47%)



- Cyan (0%)
- Magenta (5%)
- Yellow (8%)
- Black (49%)



- Cyan (49%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6187, 20.2437, 20.3262 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 19.6187, 20.2437, 20.3262 by changing the saturation by 10% instead.

■ 19.6187, 20.2437,
20.3262

■ 19.6187, 20.2437,
20.3262

242.7165,
253.2314, 266.3380

■ 12.2248, 12.5723,
12.4460

■ 42.2858, 43.8254,
44.8295

■ 6.9703, 7.1347,
6.9219

■ 58.2898, 60.5045,
62.2897

■ 3.4897, 3.5465,
3.3356

■ 77.8945, 80.9549,
83.7803

■ 1.4177, 1.4233,
1.2685

101.4653,
105.5611, 109.7198

■ 0.2688, 0.2338,
0.0357

129.3675,
134.7075, 140.5268

■ 0.0000, 0.0000,
0.0000

161.9665,

168.7784, 176.6198

199.6277,
208.1582, 218.4174

■ 19.6187, 20.2437,
20.3262

■ 19.6187, 20.2437,
20.3262

■ 17.9080, 17.9873,
16.1640

■ 21.5240, 22.7180,
25.0808

■ 16.3838, 15.9401,
12.5694

■ 23.6284, 25.4132,
30.4484

■ 15.0399, 14.0968,
9.5178

■ 25.9383, 28.3358,
36.4506

■ 13.8689, 12.4506,
6.9825

■ 28.4593, 31.4910,
43.1072

■ 12.8632, 10.9948,
4.9343

■ 31.1966, 34.8840,
50.4372

■ 12.0142, 9.7217,
3.3411

■ 34.1556, 38.5198,
58.4591

■ 11.3125, 8.6235,
2.1669

■ 37.3411, 42.4032,
67.1904

■ 10.7477, 7.6913,
1.3700

■ 40.7581, 46.5388,
76.6479

■ 10.2976, 6.9115,
0.8487

■ 44.4112, 50.9313,
86.8482

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.8806, 20.2437, 21.0678



19.6187, 20.2437, 20.3262



19.2583, 20.2437, 20.0422

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.6187, 20.2437, 20.3262



18.5295, 20.2437, 21.9925



19.5884, 20.2437, 23.9038

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.6187, 20.2437, 20.3262



19.0979, 20.4550, 24.0610

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.2238, 20.2437, 24.1705



19.6187, 20.2437, 20.3262



18.6153, 20.2437, 23.0457

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.6187, 20.2437, 20.3262



18.6322, 20.2437, 20.9847



18.8682, 20.2437, 23.8516



19.8630, 20.2437, 23.1341

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.6187, 20.2437, 20.3262



19.0118, 20.2437, 20.1432



18.8682, 20.2437, 23.8516



19.4721, 20.2437, 24.0564

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.6193, 20.2446, 20.3266



36.3168, 37.9532, 40.1800



19.5786, 19.4500, 22.5121



8.1647, 8.5185, 8.9561



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6193, 20.2446, 20.3266



33.9942, 34.9228, 34.4278



20.3009, 21.6079, 20.5538



4.4459, 4.5806, 4.5699



9.8194, 6.5353, 0.7439



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.0979, 20.4550, 24.0610



32.8972, 35.3655, 42.2849



18.4322, 19.1238, 23.8392



4.3189, 4.6319, 5.4797



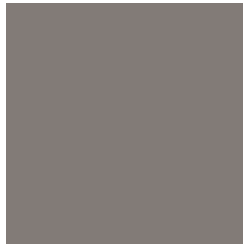
6.8139, 7.4463, 21.3281



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.6187, 20.2437, 20.3262 looks on a white background.

Color Contrast Check

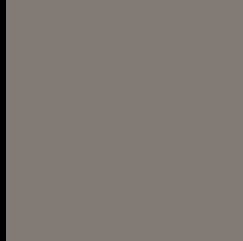
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 19.6187, 20.2437, 20.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

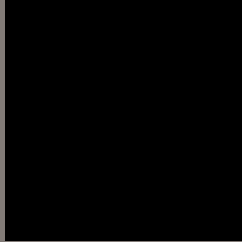
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6187, 20.2437, 20.3262

Background



This preview shows how black text looks on a background with the XYZ color 19.6187, 20.2437, 20.3262.



This preview shows how white text looks on a background with the XYZ color 19.6187, 20.2437,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.6187, 20.2437, 20.3262

Protanopia

19.4395, 20.3364, 20.3535

Deuteranopia

20.5879, 20.1923, 20.5817



Tritanopia

20.4498, 20.2190, 24.2976

Trichromacy



Original Color

19.6187, 20.2437, 20.3262

Protanomaly

19.5907, 20.4143, 20.3606

Deuteranomaly

20.2192, 20.1817, 20.5991

Tritanomaly

20.1504, 20.2767, 22.9304

Monochromacy



Original Color

19.6187, 20.2437, 20.3262

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5352, 20.3574, 21.6386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6187, 20.2437, 20.3262 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(130, 123, 119)` looks like.

```
.text, #text, p{  
    color:rgb(130, 123, 119)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(130, 123, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 123, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.6187, 20.2437, 20.3262 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 123, 119) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(130, 123, 119) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(130, 123, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 123, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 123, 119);  
box-shadow:4px 4px 4px 4px rgb(130, 123,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6187, 20.2437, 20.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 123, 119) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(130,  
123, 119) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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